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LSUMC

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Department of Physiology and Biophysics

September 13, 1993

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Harmon C. McAllister, Ph.D.
Research Director
Council for Tobacco Research-USA
900 Third Avenue
New York, NY 10022

Dear Dr. McAllister:

I am organizing a conference for the Federation of American Societies for Experimental Biology (FASEB) on the topic of "Intestinal Lipid Absorption, Metabolism & Transport". The Conference is to be held in Vermont, July 30 - August 4, 1994. FASEB Conferences typically bring together a modest number of researchers for a five-day period filled with intense scientific discussions. Each conference focuses on nine carefully selected topics which cover the most promising and exciting areas in this area of investigation.

The main purpose of this meeting is to gather together investigators interested in various aspects of intestinal lipid absorption, metabolism and transport. The investigators attending this conference will be representative of many scientific disciplines to provide a greater exchange of ideas for all present. I have enclosed a copy of the tentative program in order to give you an idea of the quality of the meeting I have planned. The conference will also allow the participants to gain a broader understanding of where the field is heading, as well as an increased appreciation for the utilization of different techniques in solving scientific problems. Topics at this conference will include:

1) The Action and regulation of lipid digestive Enzymes.
2) Micellar and non-micellar uptake of dietary lipids.
3) Intracellular transport and metabolism of lipids.
4) Intestinal apolipoprotein synthesis and metabolism.
5) Dietary and therapeutic modification of intestinal lipid absorption.
6) The use of transgenic animals in intestinal research.
7) Lipoprotein structure, packaging and secretion.
8) Neonatal development of intestinal lipid absorption.
9) Postprandial lipoprotein and apolipoprotein metabolism.

Recent progress in the area of lipid research has been rapid. Of particular interest is the recent finding that production of apolipoprotein A-IV, a peptide made exclusively by the human small intestine, is a potent satiety factor. This finding has impacted investigators interested in lipid and apolipoprotein metabolism, obesity, and the regulation of food intake.

Another important finding by a number of laboratories is the fact that abetalipoproteinemic patients are capable of making apolipoprotein B, the protein essential for chylomicron formation. Instead, the enterocytes from these patients probably lack the ability to assemble apo B and triglyceride together, apparently due to an absence of an intracellular triglyceride transfer protein. Lastly, considerable progress has been made on the

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regulation of apolipoprotein expression, in particular, apolipoprotein B editing by the small intestine. In light of such recent advances, this meeting will be particularly timely in helping to bring into focus the significance of such current developments.

Thirty seven speakers, six of whom are women, have been invited from North America, Canada, Europe and Australia, and all have tentatively accepted. However, many of these speakers are depending upon financial support for attendance. I am trying to raise funds for partial support of speakers' travel and meeting expenses. Room, board and registration costs for the meeting are approximately $400 per person. Travel will cost as much as $750 for West Coast participants.

Thus, I am writing to you to inquire about a possible financial contribution. We also wish to support at least 15 junior investigators (at $500 per person) who might otherwise be unable to attend. These promising young investigators represent the "new blood" of this field, and their participation will lead to important contributions in the coming decades. Attendance for the meeting is limited to 150, including speakers.

The conference will be advertized by FASEB to its entire membership and in such publications as *Science, Gastroenterology, Journal of Lipid Research, Lipid, Journal of Clinical Investigation, American Journal of Clinical Nutrition, Journal of Nutrition, FASEB Journal,* and *Digestive Diseases and Sciences*. Arrangements will be made to publish a summary or review of the Conference, and proper acknowledgement of all contributions will be given.

If you would like more details about the meeting, please feel free to contact me at (318) 674-6016. The Vice-Chairperson, Dr. David Hui (University of Cincinnati) can be contacted at (513) 558-9152. We will greatly appreciate any financial help you can give. Checks should be annotated for support of the "Intestinal Lipid Absorption, Metabolism and Transport" Conference and should be made payable to : FASEB Summer Research Conferences, 9650 Rockville Pike, Bethesda, MD 20814-3998.

Thank you so much for your kind consideration and I look forward to hearing from you.

Sincerely,

P. Tso

Patrick Tso, Ph.D.
Professor of Physiology

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